

AUTOMATED DROP FRAME 33 CUBIC YARD SIDE-LOADING REFUSE PACKER

07/03/2014

City of Gallatin

1.0 Introduction

The City of Gallatin is seeking bids for **AUTOMATED DROP FRAME 33 CUBIC YARD SIDE LOADING REFUSE PACKER** for the Public Works Department. Bids will be due on July 18th 2014 at 1:30 pm in a sealed envelope clearly marked: **AUTOMATED DROP FRAME 33 CUBIC YARD SIDE LOADING REFUSE PACKER.**

1.1 Scope of Work

The City of Gallatin seeks to purchase an **AUTOMATED DROP FRAME 33 CUBIC YARD SIDE LOADING REFUSE PACKER.**

2.0 Technical Requirements

See Attached Spec Sheet.

3.0 Vendor Requirement

Meet minimum Truck Requirements.

4.0 Evaluation of Proposals

The City of Gallatin will award the contract to lowest responsible and responsive bidder meeting specifications, quality, and performance standards pursuant to the Municipal Purchasing Act of 1983. Response will be based on the following factors;

- Completeness of response
- Cost
- Meeting Truck requirement specs.
- Quality of service
- Quality of product

5.0 Contract Award

The City of Gallatin reserves the right to reject any or all proposals and to waive any informality found therein. The City of Gallatin will award a contract based on evaluations described above. In the event that the lowest bidder is not available at the time of need, the city reserves the right to go with the next lowest bidder.

6.0 Question Submissions

Public Works Office
Attn: Dianna Johnson
641 Long Hollow Pike
Gallatin TN 37066
Telephone: 615-451-5909
Email: dianna.johnson@gallatin-tn.gov

7.0 Proposal Submission

ALL SUBMISSIONS MUST BE SEALED AND CLEARLY MARKED

**AUTOMATED DROP FRAME 33 CUBIC YARD SIDE LOADING
REFUSE PACKER.**

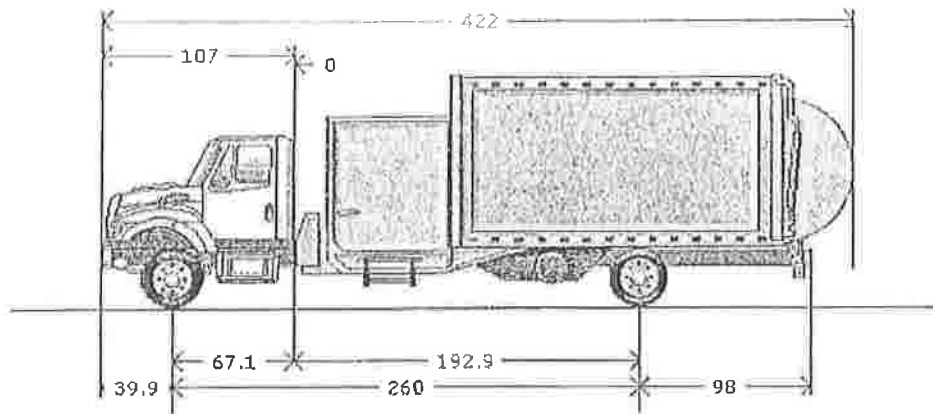
BID DUE DATE: July 18th, 2014, 1:30 pm

Proposals shall be directed to the attention of:
Finance Department
Attn: J.R.Smith, Jr
132 West Main Street
Gallatin, TN 37066
Telephone: 615-451-5963

PRICES

Price for Truck \$ _____

Name of Company: _____
Address: _____
Telephone: _____
Signature: _____
Print Name: _____
Title: _____
Date: _____



APPLICATION:
MISSION:

Packer - Manual Side Loader
Requested GVWR: 42000. Calc. GVWR: 42000
Calc. Start / Grade Ability: 33.30% / 2.12% @ 55 MPH Calc.
Geared Speed: 75.0 MPH

FUEL ECONOMY:
DIMENSION:

N/A
Wheelbase: 260.00, CA: 192.90 Axle to
Frame: 98.00

ENGINE, DIESEL:

EPA 10, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1200
RPM, 2200 RPM Governed Speed

TRANSMISSION, AUTOMATIC:

{Allison 3500_RDS_P} 4th Generation Controls;
Wide Ratio, 6-Speed, With Double Overdrive; Refuse/Mixer;
Includes Oil Level Sensor, With PTO Provision, Less
Retarder, With 60,000-lb GVW Max.

CLUTCH:
AXLE, FRONT NON- DRIVING
AXLE, REAR, SINGLE:

Omit Item (Clutch & Control
Wide Track, I-Beam Type, 16,000-lb Capacity
Single Reduction, Standard Track, 26,000-lb Capacity, R
Wheel Ends, Driver Controlled Locking Differential Gear
Ratio: 5.63

CAB:
TIRE, FRONT:

Conventional
(2) 315/80R22.5 HSU2+ (CONTINENTAL) 481 rev/mile,
load range L, 20 ply

TIRE, REAR:

(4) 12R22.5 HDR (CONTINENTAL) 481 rev/mile, load range
H, 16 ply

SUSPENSION, RR, SPRING, SINGLE:
FRAME REINFORCEMENT:

Vari-Rate; 31,000-lb Capacity; Includes (3) Torque Rods
Outer "c" Channel, Heat Treated Alloy Steel (120,000 PSI
Yield); 10.813" x 3.892" x 0.312";

PAINT:

(274.6mm x 98.9mm x B-Omm): 480,0" (12192mm)
Maximum GAL Cab schematic 100GN Location 1: 9219,
Winter White (Std) Chassis schematic N/A

Additional Specifications:

Base Chassis: 4X2 with 260.00 Wheelbase, 192.90 CA, and 98.00 Axle to Frame.
FRAME RAILS: Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
FRAME REINFORCEMENT: Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
BUMPER, FRONT Full Width, Aerodynamic, Painted Steel; 0.189" Material Thickness; Includes: BUMPER, FRONT Powder Coated Gray (Argent) Color
CROSSMEMBER, REAR, AF
WHEELBASE RANGE 258~ (650cm) Through and Including 311" (790cm)
TOW HOOK, FRONT (2) Outside Rail, Frame Mounted, Includes Spacers to Clear Bumper Access Holes
BRACKET, CAB MOUNT Heavy Duty
AXLE, FRONT NON-DRIVING Wide Track, I-Beam Type, 16,000-lb Capacity
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 16,000-lb Capacity; With Shock Absorbers Includes: SPRING PINS Rubber Bushings, Maintenance-Free
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
Includes
: BRAKE LINES Color and Size Coded Nylon
: DRAIN VALVE Twist-Type
: DUST SHIELDS, FRONT BRAKE
: DUST SHIELDS, REAR BRAKE
: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster
: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel
: PARKING BRAKE VALVE For Truck
: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
: SLACK ADJUSTERS, FRONT Automatic
: SLACK ADJUSTERS, REAR Automatic
: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4
Notes
: Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.
BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 Sqn Long Stroke Brake Chambers
Notes
: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
DRAIN VALVE Automatic; With Heater; for Air Tank
Includes: DRAIN VALVE Mounted in Wet Tank
BRAKE SHOES, REAR Cast
Notes
: Provides Rear Axle GAWR Up to 26,000-Lb.
: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
AIR BRAKE: ABS: Full Vehicle Wheel Control System (4-Channel)
AIR DRYER With Heaters Includes: AIR DRYER LOCATION Inside Left Rail, Back of Cab
BRAKE CHAMBERS, FRONT AXLE 24 Sqn
BRAKE CHAMBERS, REAR AXLE 30/30 Spring Brake 010 a

Include:: BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles
 Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
 SLACK ADJUSTERS, FRONT Automatic
 SLACK ADJUSTERS, REAR Automatic
 BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 3~3/3~ Sq In. Long Stroke
 Brake Chamber and Spring Actuated Parking Brake
 Notes: The following features should be considered when calculating Rear GAWR: Rear
 Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear;
 Special Rating, GAWR; Wheels; Tires.
 AIR COMPRESSOR {Bendix Tu-Flo 750} 16.5 CFM Capacity
 AIR TANK LOCATION (2) : Two Mounted Left Side BOC Under Battery Box
 BRAKE CHAMBERS, SPRING Forward of 4x2 for Reyco & Vari-Rate suspension for: Asphalt
 Spreader/Paver applications
 STEERING COLUMN Tilting .
 STEERING WHEEL 2-Spoke, 18" Diam., Black
 STEERING GEAR (2) {Sheppard *M-100/M-BO*} Dual Power *122/-3 119*
 EXHAUST SYSTEM Single, Vertical Aftertreatment Device Frame Mounted Right
 Side; Includes Vertical Tail Pipe & Guard Includes: EXHAUST HEIGHT 10' Exhaust Height - Based on
 Empty Chassis with Standard Components (+ or - 1" Height) : MUFFLERfTAIL PIPE GUARD Non-
 Bright Finish
 ENGINE COMPRESSION BRAKE for MaxxForce 16 Engines; Electronically Activated
 RAIN CAP With Single Exhaust. Non-Bright Finish
 SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, ON/OFF Type, Mounted in IP, Inhibits
 Diesel Particulate Filter Regeneration as Long as Switch is in ON Position
 ELECTRICAL SYSTEM 12-Volt. Standard Equipment
 Includes
 : BATTERY BOX Steel with Plastic Lid
 : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
 : FUSES, ELECTRICAL SAE Blade-Type
 : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover
 : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
 : HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels
 : HORN, ELECTRIC Single
 : JUMP START STUD Located on Positive Terminal of Outermost Battery
 : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
 : RUNNING LIGHT (2) Daytime, Included With Headlights
 : STARTER SWITCH Electric, Key Operated
 : STOP, TURN, TAIL & *BIU* LIGHTS Dual, Rear, Combination with Reflector
 : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for
 Tractors, with Lane Change Feature
 : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals,
 Solid State Flashers; Flush Mounted
 : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5
 Pre-Set Delays), Integral with Turn Signal Lever
 : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
 : WIRING, CHASSIS Color Coded and Continuously Numbered
 CIGAR LIGHTER Includes Ash Cup
 ALTERNATOR Brush Type, 12 Volt 160Amp. Capacity, Pad.Mount
 BODY BUILDER WIRING To Rear of Frame, With Stop, Tail, Turn, and Marker Lights Circuits, Ignition
 Controlled Auxiliary Feed and Ground, Less Trailer Socket
 BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

RADIO } AM/FM Premium Stereo, With CD Player, Weatherband,
 Clock, Front & Rear Aux Input, USB Port, and Multiple Speakers, Includes iPod
 Command and Control
 Includes
 : SPEAKERS IN CAB (2) Coaxial with Deluxe Interior
 : SPEAKERS IN CAB (4) Coaxial with Premium Interior
 STARTING MOTOR 12 Volt; Less Thermal Over-Crank -Protection
 BATTERY BOX Steel with Plastic Cover, 25" Wide, 2 or 3 Battery Capacity,
 Mounted 36" Back of Cab on Left Rail
 INDICATOR, LOW COOLANT LEVEL With Audible Alarm
 CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip
 Indicators, Replaces All Fuses Except For 5-Amp Fuses
 INSULATION, UNDER HOOD for Sound Abatement
 GRILLE Stationary, Chrome
 INSULATION, SPLASH PANELS for Sound Abatement
 FRONT END Tilting, Fiberglass, With Three Piece Construction
 PAINT SCHEMATIC, Single Color, Design
 Includes
 PAINT SCHEMATIC ID LETTERS "GN"
 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
 SAFETY TRIANGLES
 CLUTCH Omit Item (Clutch & Control)
 OIL FILTER, ENGINE {Hudgins Model 960 Spinner}
 PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on
 Engine Front Mounted
 BLOCK HEATER, ENGINE 120 Vol/1250 Watt Includes
 BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
 ENGINE, DIESEL EPA 10, 300 HP @ 2000 RPM, 860 lb-ft Torque@ 1200 RPM, 2200 RPM Governed
 Speed
 Includes: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis
 Only)
 ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/-40
 Degrees C; for MaxxForce Engines
 COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine
 ECM Control
 : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel
 : ENGINE OIL DRAIN PLUG Magnetic
 : ENGINE SHUTDOWN Electric, Key Operated
 : FUEL FILTER Included with Fuel/Water Separator
 : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single
 Assembly; With Water-in-Fuel Sensor; Engine Mounted
 : GOVERNOR Electronic
 : OIL FILTER, ENGINE Spin-On Type
 : WET TYPE CYLINDER SLEEVES
 FAN DRIVE :Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed
 Includes
 : FAN Nylon
 RADIATOR: Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn
 Charge Air Cooler and 342 Sq.In Low Temperature Radiator w/Surge Tank
 HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic
 Coolant Hose Clamps
 RADIATOR HOSES Premium, Rubber
 FEDERAL EMISSIONS: meets all requirements

AIR CLEANER Dual Element, With Integral Pre Cleaner

Includes

GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic,

Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body

Builder Installation of PTO Controls; With Ignition Switch Control for MaxxForce

post 2007 Emissions Electronic Engines

EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle

Regulations

AUTOMATIC NEUTRAL Allison WT, Transmission Shifts to Neutral When Parking Brake is Engaged

TRANSMISSION, AUTOMATIC; 4th Generation Controls; 185/49 234

Wide Ratio, 6-Speed, With Double Overdrive; Refuse/Mixer; Includes Oil Level

Sensor, With PTO Provision, Less Retarder. With 60,000-lb GVW Max.

Includes

: OIL FILTER, TRANSMISSION Mounted on Transmission

: TRANSMISSION OIL PAN Magnet in Oil Pan

OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil, for Allison or

CEEMAT Transmission

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000

& 4000 Series Transmission

13WLP TRANSMISSION OIL Synthetic; 29 thru 42 Pints 13WUJ ALLISON SPARE INPUT/OUTPUT

for Rugged Duty Series (RDS); Front Loaders Rear Loaders, Recycling/Packer Trucks

SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy

Programming in Secondary

14ASA AXLE, REAR, SINGLE {Meritor RS-26-185} Single Reduction, Standard Track, 26,000-lb

Capacity, R Wheel Ends, Driver Controlled Locking Differential. Gear

Ratio: 5.63

Includes

REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle

Notes

: The following features should be considered when calculating Rear GAWR: Rear

Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear;

Special Rating, GAWR; Wheels; Tires.

: When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and

Performance

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 31,000-lb Capacity; Includes (3) Torque Rods

Notes:

The following features should be considered when calculating Rear GAWR: Rear

Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear;

Special Rating, GAWR; Wheels; Tires.

FUEL TANK Top Draw; 0 Style, Non Polished Aluminum, 80 U.S. Gal., 303 L -

Capacity, 23.0" Tank Depth, Mounted Left Side Under Cab

CAB Conventional Includes

: ARM REST (2) Molded Plastic; One Each Door

: CLEARANCE/MARKER LIGHTS (5) Flush Mounted

: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

: CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel

: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens,

Timed Theater Dimming, Integral to Console, Center Mounted

: GLASS, ALL WINDOWS Tinted

: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

: GRAB HANDLE, CAB INTERIOR (2) Front of "6" Pillar Mounted, One Each Side

: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color

: STEP (4) Two Steps Per Door

GAUGE CLUSTER English With English Electronic Speedometer

Includes

GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code

Readout

WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

GAUGE, OIL TEMP, ALLISON TRAN

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel

CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

Includes

SEAT BELT 3-Point, Lap and Shoulder Belt Type

SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion, Adjustment, -3 to +14 Degree Back Adjust

Includes

SEAT BELT 3-Point, Lap and Shoulder Belt Type

MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets

ACCESS, CAB Driver & Passenger Sides, With Two Temporary Steps on the Passenger side, for Conventional Cab

CONTROLS, CENTER PANEL Includes Ignition Switch, Headlights and Power Mirror Controls Located in Center Panel

AIR CONDITIONER: With Integral Heater & Defroster Includes

HEATER HOSES Premium

HOSE CLAMPS, HEATER HOSE Constant Tension Clamps

REFRIGERANT Hydrofluorocarbon HFC-134A

INSTRUMENT PANEL Center Section, Flat Panel

HVAC FRESH AIR FILTER

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

CAB INTERIOR TRIM Deluxe

Includes

"A" PILLAR COVER Molded Plastic

CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering

CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket

DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors

FLOOR COVERING Rubber, Black

HEADLINER Soft Padded Cloth

INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section

STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door

SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

CAB REAR SUSPENSION Air Bag Type

WHEELS, FRONT DISC; 22.5" Non-Polished Aluminum, 10-Stud (285.75MM BC)

Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With Steel Hubs

Notes

: Aluminum Wheels not Painted or Coated

: Compatible Tire Sizes: 12R22.5, 295/75R22.5, 295/80R22.5, 315/80R22.5

28DRN WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) Hub
Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With .472"

Thick Increased Capacity Disc and Steel Hubs

Includes

:PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 11 R22.5, 12R22.5, 255/70R22.5, 255/80R22.5,

265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/S0R22.5

7392155406 (4) TIRE, REAR 12R22.5 HDR (CONTINENTAL) 481 rev/mile, load range H, ply

7792545416 (2) TIRE, FRONT 315/80R22.5 HSU2+ (CONTINENTAL) 481 rev/mile, load range L, 20ply

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual Weight may be different from the estimated weight.

Dual sit down drive option required including:

1. Dual steering with integral column and shaft guards
2. LH tilt steering is retained
3. RH tilt steering is included
4. Dual OEM accelerator, brake, and turn signal controls
5. Automatic transmission shifter and headlight switch relocated to center of dash
6. RH auxiliary OEM instrument panel
7. Dual center mounted cup holders

*Please note these are minimum specifications for the unit to be purchased.